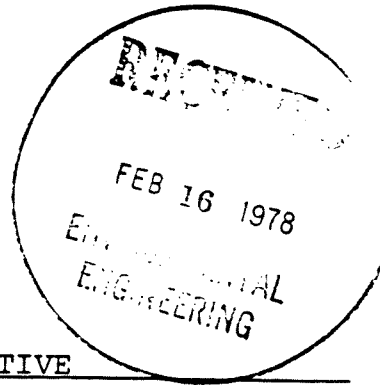




0021
Hewlett

NORTH DAKOTA STATE DEPARTMENT OF HEALTH
Air Pollution Control Program
1200 Missouri Avenue
Bismarck, North Dakota 58505

ANNUAL EMISSION INVENTORY REPORT
FORM AP 301
FUEL BURNING EQUIPMENT USED FOR INDIRECT HEATING
Calendar Year 1977



1. Name of Firm or Organization: BASIN ELECTRIC POWER COOPERATIVE
2. Plant Location: Stanton, ND
3. Permit to Operate Number: 730004
4. Source Unit Number (from Permit to Operate): Unit #1
5. Type and Quantity of Fuel Used:

	PRIMARY FUEL	STANDBY FUEL
	Type <u>Lignite</u> Quantity per year <u>1,306,785 Tpy</u> (Specify Units) Delivered Cost of fuel <u>\$4.34/ton</u> (\$/Unit Quantity)	Type _____ Quantity per year _____ (Specify Units) Delivered Cost of fuel _____ (\$/Unit Quantity)
PERCENT ASH (Solid Fuel Only) Max. Min. Avg.	12.99 6.59 8.80	
PERCENT SULFUR Max. Min. Avg.	.78 .17 .435	
BTU PER UNIT Max. Min. Avg.	6960 6100 6617	

Unit #1

6. Monthly Fuel Use:

QUANTITY			QUANTITY		
MONTH	PRIMARY FUEL	STANDBY FUEL	MONTH	PRIMARY FUEL	STANDBY FUEL
	Type <u>Lignite</u> Units <u>Tons</u>	Type _____ Units _____		Type <u>Lignite</u> Units <u>Tons</u>	Type _____ Units _____
Jan.	142,127		July	120,373	
Feb.	121,242		Aug.	112,812	
March	131,832		Sept.	40,145	
April	116,295		Oct.	86,967	
May	116,262		Nov.	113,807	
June	101,830		Dec.	103,093	

7. Hourly Fuel Use:

	QUANTITY	
	PRIMARY FUEL	STANDBY FUEL
	Type <u>Lignite</u> Units <u>Tons</u>	Type _____ Units _____
Maximum	204 ton/hr.	
Average	165 ton/hr.	

8. Normal Schedule of Operation:

Hours Per Day 24 Weeks Per Year 48

Days Per Week 7 Peak Season January and August
(Specify Months of Year)

Total Hours Per Year 8064 (7894 actual)

9. Stack Emissions:

Unit #1

POLLUTANT	QUANTITY POUNDS PER HOUR (AVERAGE)	TONS PER YEAR
Particulate	13	50
Sulfur Dioxide	2648	10,450
Nitrogen Oxides	1387	5,480
Other (Specify)	17%	

Basis For Quantities Listed Above:

Particulates - Precipitator Performance Tests

SO₂, NO_x and Opacity - Stack Monitors10. Name of Person Submitting Report (Print or Type) KENT E. JANSSENTitle Manager of ProductionPhone 223-0441

I declare under the penalties of perjury that this report has been examined by me and to the best of my knowledge and belief is a true, correct, and complete report.

(Signed)

Richard Foebel
for Kent E. Janssen

Date 2-15-78